

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

1. **(Currently Amended)** A product of a process of integration of mixed format data, said product comprising at least one storage media device including a database of integrated data, said product produced by an integration process comprising the steps of:

accessing a database of data records, at least some of the data records containing both structured data and unstructured data, the structured data comprising a set of data tuples; the unstructured data of a particular data record including free text related to the structured data of that data record;

~~accessing a source of unstructured data, the unstructured data including free text~~
~~relatable to the data tuples of the structured data;~~

using linguistic characteristics of the free text to interpret interpreting said free text to extract relational facts from it.

~~produce~~ producing a set of construed data reflecting at least one relational fact conveyed in the free text, each construed datum being ~~relatable to a data tuple of the~~ structured data of the same data record;

~~integrating the produced~~ construed data with the particular structured data ~~data tuples of the structured data; and storing the integrated data produced by said~~ integrating to the at least one storage media device in the form of a database to which the construed data relates.

2. **(Currently Amended)** A product of the process recited in claim 1, wherein said interpreting the free text includes the steps of: identifying roles within the parsed text records and applying caseframes, said application of caseframes identifying producing attribute extractions, each of said attribute extractions containing attribute information of the derived source text ~~and applying caseframes to the attribute~~ extractions, said applying caseframes producing a filtered set of attribute extractions.

3. **(Currently Amended)** A product of the process recited In claim 2 wherein said interpreting the free text further includes the step of identifying domains of the filtered set of attribute extractions.

4. **(Original)** A product of the process recited in claim 2 wherein said interpreting the free text further includes the step of assigning domain roles.

5. **(Original)** A product of the process recited in claim 4, wherein said interpreting the free text further includes the step of producing relation types.

6. **(Original)** A product of the process recited in claim 1, wherein: said interpreting the free text further includes the step of creating a new database containing the structured data element produced in said producing; and said product includes the created database.

7. **(Original)** A product of the process recited in claim 1, wherein: said interpreting the free text further includes the step of producing a file containing the structured data element produced in said producing; and said product includes the produced file.

8. **(Original)** A product of the process recited in claim 1, wherein the produced file has a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

9. **(Original)** A product of the process recited in claim 1, wherein said the stored integrated data includes reference information to the original free text for construed data.

10. **(Original)** A product of the process recited in claim 1, wherein: the process further includes the step of constructing a library containing extracted attributes; and said product includes the constructed library.

11. **(Currently Amended)** A product of the process recited in claim 1, wherein said interpreting the free text further includes the step of coalescing like relation types.

12. **(Currently Amended)** A product of the process recited in claim 1, wherein said interpreting the free text further includes the step of ~~combining~~ coalescing like attributes.

13. **(Original)** A product of the process recited in claim 1, wherein said interpreting the free text further includes the step of coalescing the identified attributes.

14. **(Original)** A product of the process recited in claim 1, wherein said interpreting the free text further includes the step of coalescing identified relation types.

15. **(Currently Amended)** A product of a process of integration of mixed format data, said product comprising a memory device having stored thereon integrated data, said product produced by an integration process comprising the steps of:
accessing a database of data records, at least some of the data records containing both structured data and unstructured data, the structured data comprising a set of data tuples; the unstructured data of a particular data record including free text related to the structured data of that data record;
~~accessing a source of unstructured data, the unstructured data including free text relating to the data tuples of the structured data;~~
produce producing a set of construed data reflecting at least one relational fact conveyed in the free text, each construed datum being ~~relatable to a data tuple of the structured data~~ of the same data record from which the free text was taken;
integrating the construed ~~produced~~ data with ~~the data tuples of the structured data to which the free text relates;~~ and storing the integrated data produced by said integrating to the a memory device.

16. **(Currently Amended)** A product of the process recited in claim 15, wherein said interpreting the free text includes the steps of: identifying attributes within the parsed text records and applying caseframes to produce, ~~said identifying producing~~ attribute extractions, each of the said attribute extractions containing attribute information of the derived source text; ~~and applying caseframes to the attribute extractions;~~ ~~said applying caseframes producing a filtered set of attribute extractions.~~

17. **(Original)** A product of the process recited in claim 16, wherein said interpreting the free text further includes the step of identifying domains of the filtered set of attribute extractions.

18. **(Original)** A product of the process recited in claim 17, wherein said interpreting the free text further includes the step of assigning domain roles.

19. **(Original)** A product of the process recited in claim 18, wherein said interpreting the free text further includes the step of producing relational facts.

20. **(Original)** A product of the process recited in claim 15, wherein: said interpreting the free text further includes the step of creating a new database containing the structured data element produced in said producing; and said product includes the created database.

21. **(Original)** A product of the process recited in claim 15, wherein: said interpreting the free text further includes the step of producing a file containing the structured data element produced in said producing; and said product includes the produced file.

22. **(Original)** A product of the process recited in claim 15, wherein the produced file has a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

23. **(Original)** A product of the process recited in claim 15, wherein said the stored integrated data includes reference information to the original free text for construed data.

24. **(Original)** A product of the process recited in claim 15, wherein: the process further includes the step of constructing a library containing extracted attributes; and said product includes the constructed library.

25. **(Original)** A product of the process recited in claim 15, wherein said interpreting the free text further includes the step of combining like relation types.

26. **(Original)** A product of the process recited in claim 15, wherein said interpreting the free text further includes the step of combining like attributes.

27. **(Original)** A product of the process recited in claim 15, wherein said interpreting the free text further includes the step of coalescing the identified attributes.

28. **(Original)** A product of the process recited in claim 15, wherein said interpreting the free text further includes the step of coalescing identified relation types.

29. **(New)** A product of the process of claim 2, wherein post-processing filters are applied to said attribute extractions, producing a filtered set of attribute extractions.

30. **(New)** A product of the process recited in claim 29 wherein said interpreting the free text further includes the step of identifying domains of the filtered set of attribute extractions.